We claim:

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1	1. A method for evaluating a node of a communication network, the method
2	comprising the step of:
3	calculating capacity of the node based on a traffic model comprising a
4	combination of one or more relationships between one or more application types and
5	rates of information being conveyed through the node.
1	2. The method of claim 1 where the step of calculating a capacity of the node comprises
2	generating relationships for node capacities of different application types at
3	different information rates; and
4	constructing the traffic model from a combination of the generated relationships.
5	
1	3. The method of claim 1 where processor occupancy of at least one of processor at the
2	node is calculated as the capacity of the node.
1	4. The method of claim 1 where the relationships are mathematical equations describing
2	relationships between processor occupancy of at least one processor at the node and
3	application types at certain information rates.
1	5. The method of claim 1 where the traffic model is a linear combination of various
2	mathematical equations describing relationships between processor occupancy of at least
3	one processor at the node and application types at certain information rates.
1	6. The method of claim 1 where the communication network is a wireless
2	communication network.

2 occupancy of at least one processor at the node from a traffic model comprising a linear

7. The method of claim 6 where the capacity is calculated by calculating a processor

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- 3 combination of various mathematical equations describing particular relationships
- 4 between an information rate of a particular application type and a resulting processor
- 5 occupancy.
- 1 8. The method of claim 7 where the at least one processor processes subscriber
- 2 information.
- 9. The method of claim 6 where the capacity is calculated by calculating processor
- 2 occupancy for an uplink and a downlink of at least one processor at the node.